

REMARKS

The specification has been amended to correct SEQ ID NOs in the specification. The Applicants submit that these amendments do not constitute new matter.

The Notification of Defective Response mailed 1/8/2009 (Communication) asserts that certain "requirements set forth in the Notification of Missing Requirements mailed 05/07/2007 have not been completed." Communication at page 1.

Specifically, the Communication asserts that the "paper copy of the "Sequence Listing" is not the same as the computer readable form of the 'Sequence Listing,' as required by 37 CFR 1.821(e)". Id. Applicants have amended the application to include an amended Sequence Listing, which contains the nucleotide and/or amino acid sequences disclosed in the application. New pages 1-7 are provided to comply with the Sequence Rules set forth in 37 C.F.R. §§ 1.821-1.825

The Communication further asserts that the content of the computer readable form "does not comply with the requirements of 37 CFR 1.822 and/or 1.823." Id. at page 2. Applicant has changed the notation in SEQ ID NOs 15 through 28 with "n" to designate nucleosides comprising modified bases. Applicants submit that the Sequence Listing is in compliance with 37 CFR 1.822(b) which states, in part:

Otherwise, each occurrence of a base or amino acid not appearing in WIPO Standard ST.25 (1998), Appendix 2, Tables 1 and 3, shall be listed in a given sequence as "n" or "Xaa," respectively, with further information, as appropriate, given in the Feature section, preferably by including one or more feature keys listed in WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6.

Additional information for the modified bases is provided in the Feature section.

It is believed that no fee is due with the filing of this response. If a fee is due, the Commissioner is hereby authorized to charge the fee to Deposit Account 50-0252 referencing docket number CORE0037USA.

Respectfully submitted,

Date: 2/9/09



Clifford E. Ford
Registration No. 52,903

ISIS Pharmaceuticals, Inc.
1896 Rutherford Rd.
Carlsbad, CA 92008
Telephone: (760) 931-9200
Facsimile: (760) 603-2784